



Docket No.: 245089US0RE



COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

ATTORNEYS AT LAW

JOHN D. DELLINGER
(703) 413-3000
JDELLINGER@OBLON.COM

RE: Application Serial No.: 10/722,679

Applicants: Hirotoshi ISHIDA, et al.
Filing Date: November 28, 2003
For: SWEETENER COMPOSITION
Group Art Unit: 1761
Examiner: Tran Lien, Thuy

SIR:

Attached hereto for filing are the following papers:

Letter

Information Disclosure Statement Under 37 CFR 1.97

PTO-1449

Cited References (217)

Our credit card payment form in the amount of **\$180.00** is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 C.F.R 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No. 15-0030. Further, if these papers are not considered timely filed, then a petition is hereby made under 37 C.F.R. 1.136 for the necessary extension of time. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon


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DOCKET NO: 245089US0RE

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

HIROTOSHI ISHIDA, ET AL. : EXAMINER: TRAN LIEN, THUY

SERIAL NO: 10/722,679 :

FILED: NOVEMBER 28, 2003 : GROUP ART UNIT: 1761

FOR: SWEETENER COMPOSITION :

LETTER

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicants herewith submit an Information Disclosure Statement. The information disclosed is associated with Interference No. 105, 246, which involves Application No. 09/355,980, which is related to the present application. The disclosed information is believed to be material to the patentability of the present application, and includes the Judgment Under 37 CFR §41.127, the Decision on the Motions Under §41.125, the pleadings, the publications and prior art, and the deposition and declaration testimony from the interference.

Applicants respectfully request due consideration of the attached information.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.
Norman F. Oblon


John D. Dellinger
Attorney of Record
Registration No. 50,436

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hirotoshi ISHIDA, et al.

SERIAL NO: 10/722,679

GAU: 1761

FILED: November 28, 2003

EXAMINER: Tran Lien, Thuy

FOR: SWEETENER COMPOSITION

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

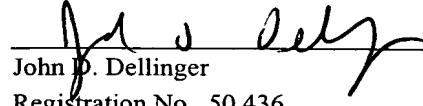
CERTIFICATION

- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
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Norman F. Oblon

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10/10/2006 JAD001 00000040 10722679

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| Form PTO 1449 (Modified) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTY DOCKET NO. 245089US0RE | | SERIAL NO. 10/722,679 | |
|---|----|--|------------|---------------------------------------|-----------------|---|----------------------------|
| LIST OF REFERENCES CITED BY APPLICANT | |  OCT 06 2006 PATENT & TRADEMARK OFFICE | | APPLICANT Hirotoshi ISHIDA, et al. | | | |
| | | | | FILING DATE November 28, 2003 | | GROUP 1761 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
| | AA | 4,495,170 | 01/22/1985 | BEYTS, et al. | | | 04/22/1982 |
| | AB | 4,085,232 | 04/18/1978 | EISENSTADT | | | 12/17/1976 |
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| | AE | 3,695,898 | 10/03/1972 | HILL, ET AL. | | | 04/25/1970 |
| | AF | 3,653,923 | 04/04/1972 | ISHII, ET AL. | | | 02/27/1969 |
| | AG | 4,001,455 | 01/04/1977 | LA VIA, ET AL. | | | 02/05/1974 |
| | AH | 4,158,068 | 06/12/1979 | VON RYMON LIPINSKI, ET AL. | | | 06/22/1977 |
| | AI | 5,480,668 | 01/02/1996 | NOFRE, ET AL. | | | 11/09/1993 |
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| | AK | 5,728,862 | 03/17/1998 | PRAKASH | | | 01/29/1997 |
| | AL | 3,780,189 | 12/18/1973 | SCOTT | | | 11/13/1971 |
| | AM | 6,048,999 | 04/11/2000 | PAJOR, ET AL. | | | 01/25/1999 |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | | |
| | | | | | YES | NO | |
| | AO | 602,572 | 08/02/1960 | CANADA | | | |
| | AP | 2 697 844 | 11/12/1992 | FRANCE | YES | | |
| | AQ | WO 99/30577 | 06/24/1999 | WIPO | | | |
| | AR | 0 139 430 | 09/03/1984 | EPO | | | |
| | AS | 47-23389 | 06/29/1972 | JAPAN | YES | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
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| | AX | Ager, David J. et al. "Commercial, Synthetic Nonnutritive Sweeteners." <u>Angewante Chemie International</u> Ed. 1998, Vol 37; No. 13/14, p. 1802-1817 (Germany). | | | | | |
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| Examiner | | | | | Date Considered | | |
| <p>*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> | | | | | | | |

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| | BA | 5,474,791 | 12/12/1995 | ZABLOCKI, ET AL. | | | 10/20/1993 |
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| | BD | 6,372,279 | 04/16/2002 | ISHIDA, ET AL. | | | 11/08/2000 |
| | BE | 6,444,251 | 09/03/2002 | KISHISHITA, ET AL. | | | 06/15/2000 |
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| | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION | | |
| | | | | | YES | NO | |
| | BO | WO 94/11391 | 05/26/1994 | WIPO | | | |
| | BP | | | | | | |
| | BQ | | | | | | |
| | BR | | | | | | |
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| | BT | | | | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| | BW | Pajor, Laurie, Allison Vevang, and Kernen Gibes. Study Protocols: <i>Ingestion of Sweetener Candidate NC-00723 in Food and Beverages.</i> In Memorandum to Ihab Bishay on Dec. 17, 1998. | | | | | |
| | BX | Third Declaration of D. Eric Walters. Interference No. 105,246 (RES). 04/07/2005. | | | | | |
| | BY | Deposition of Masato Kawauchi, Interference No. 105,246 (RES); 04/02/2005 | | | | | |
| | BZ | Lawless, Harry T. and Hildegarde Heymann. "Overview of Sensory Principles and Practices." In <i>Sensory Evaluation of Food: Principles and Practices</i> ; Aspen Publishers, Inc.: New York 1999, p. 623-646. | | | <input checked="" type="checkbox"/> Additional References sheet(s) attached | | |
| Examiner | | | | | Date Considered | | |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | | | | |

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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | |
| | CA | Bakal, Abraham I.. "Functionality of Combined Sweeteners in Several Food Applications." <u>Chemistry and Industry</u> ; 19 Sept. 1983; p. 700-708 (London). | | |
| | CB | Berenbaum, M.C.. "What is Synergy?" <u>Pharmacological Reviews</u> ; Vol. 1989, No. 41; p. 93-141 (1990) USA. | | |
| | CC | Chung, Hai-Jung, 51, Food and Science Tech.. Abstract of "Measurement of Synergistic Effects of Binary Sweetener Mixtures." <u>Journal of Food Science and Nutrition</u> ; 1997, 2 (4) 291-295. | | |
| | CD | Dong, Zedong et al.. "Crystal Structure and Physical Characterization of Neotame Methanol Solvate." <u>Journal of Chemical Crystallography</u> ; Vol. 29 No. 8, 1999, p. 967-975. | | |
| | CE | Dong, Zedong et al. "Crystal Structure of Neotame Anhydrate Polymorph G." <u>Pharmaceutical Research</u> , Vol. 19, No. 10, October 2002, 1549-1553. | | |
| | CF | Endicott, C. J. and H. M. Gross. "Artificial Sweetening of Tablets." <u>Drug and Cosmetic Industry</u> ; (1959) p. 23-25. | | |
| | CG | Flamm, W. Gary et al. "Long-term Food Consumption and Body Weight Changes in Neotame Safety Studies are Consistent with the Allometric Relationship Observed for other Sweeteners and during Dietary Restrictions." <u>Regulatory Toxicology and Pharmacology</u> ; 38 (2003) p. 144-156. | | |
| | CH | Frank, Robert A. et al. "An Assessment of Binary Mixture Interactions for Nine Sweeteners." <u>Chemical Senses</u> ; Vol. 14 No. 5 (1989) p. 621-632. | | |
| | CI | Fry, John. "Trends and Innovations in Low-Calorie Sweeteners." <u>The World of Ingredients</u> ; p. 16-18 (Mar. - Apr. 1998). | | |
| | CJ | Gelardi, Robert C. and Editor Neil H. Mermelstein. "The Multiple Sweetener Approach and New Sweeteners on the Horizon." <u>Food Technology</u> ; Jan. 1987, p. 123-124. | | |
| | CK | Goodman, Murray et al. "X-Ray Structures of New Dipeptide Taste Ligands." <u>Journal of Peptide Science</u> ; 4, p. 229-238 (1998). | | |
| | CL | Grossfeld, J. Abstract of "The Sweetening Power of Artificial Sweeteners." <u>Z. Ges. Kohlensäure Ind.</u> ; No. 15,253 (1921). | | |
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| | CN | Katritzky, Alan R. et al. "A QSPR Study of Sweetness Potency Using the CODESSA Program." <u>Croatica Chemica Acta</u> , 75 (2), 475-502 (2002). | | |
| | CO | Mattern, Ralph-Heiko, et al. "Conformational Analysis of Potent Sweet Taste Ligands by Nuclear Magnetic Resonance, Computer Simulations and X-Ray Diffraction Studies." <u>Journal of Peptide Research</u> ; 50 (1997) p. 286-299. | | |
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| | CQ | Moncrieff, R. W. <u>The Chemical Senses</u> . New York: John Wiley and Sons, Inc. (1941) p. 106-107. | | |
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| CS | Moskowitz, Howard R. and Leon Klarmann. "The Hedonic Tones of Artificial Sweeteners and their Mixtures." <u>Chemical Senses and Flavor</u> ; 1 (1975) p. 423-429. | | | |
| CT | "Neotame – First Sightings." <u>The World of Ingredients</u> May-June 1999, p. 62. | | | |
| CU | Nofre, Claude and Jean Marie Tinti. "Neotame: Discovery, Properties, Utility." <u>Food Chemistry</u> 69 (2000) p. 245-257. | | | |
| CV | Padden, Brian E., et al. "Comparison of Solid-State C NMR Spectroscopy and Power X-Ray Diffraction for Analyzing Mixtures of Polymorphs of Neotame." <u>Analytical Chemistry</u> ; Vol. 71 No. 16 (1999) p. 3325-3331. | | | |
| CW | Paul-München, Theodor. "Physikalische Chemie der Lebensmittel: V. der Süßungsgrad der Süßstoffe." <u>Zeitschrift Für Elektrochemie</u> ; 27 (1921) p. 539-546. | | | |
| CX | Prakash, Indra, et al. "Modifying the Temporal Profile of the High-Potency Sweetener Neotame." <u>Journal of Agricultural and Food Chemistry</u> ; 49 (2001) p. 786-789. | | | |
| CY | Prakash, Indra, et al. "Neotame: The Next-Generation Sweetener." <u>Food Technology</u> ; July 2002, Vol. 56, No. 7 p. 36-40 and 45. | | | |
| CZ | Prakash, Indra, et al. "Neotame: Synthesis, Stereochemistry and Sweetness." <u>Synthetic Communications</u> ; 29 (24) p. 4461-4467 (1999). | | | |
| DA | Byrne, Maureen. "Sweetener Blends." <u>Food Engineering International</u> ; <u>Food Explorer</u> 11/02/1998 http://www.foodexplorer.com/product/TECHTUT/F102740.htm p. 1-3. | | | |
| DB | Kim, S.H. and G.E. Dubois. "Natural High Potency Sweeteners." In <u>Handbook of Sweeteners</u> , Marie, S. and J.R. Pigott Eds.: Blackie and Son, Ltd.: Glasgow, 1991; p. 116-185. | | | |
| DC | Schiffman, S. S., et al. "Investigation of Synergism in Binary Mixtures of Sweeteners." <u>Brain Research Bulletin</u> , 38(2) (1995) p. 105-120. | | | |
| DD | Schiffman, S. S., et al. "Sensory Evaluation of Soft Drinks with Various Sweeteners." <u>Physiology and Behavior</u> , 34 (1984) p. 369-377. | | | |
| DE | Ueno Pharmaceutical Co. Ltd. Technical Dept. "A Novel Method for the Utilization of Artificial Sweeteners." <u>Shokuhin to Kagaku (Food Science)</u> , Vol. 6, No. 3 (1964) p. 39-43. | | | |
| DF | Stargel, W. Wayne, et al. "Neotame." In <u>Alternative Sweeteners</u> , ed. Nabors L.; Marcel Dekker, Inc.: New York, 2001; p. 129-144. | | | |
| DG | Tornout, Van, et al. "Sweetness Evaluation of Mixtures of Fructose with Saccharin, Aspartame, or Acesulfame K." <u>Journal of Food Science</u> ; 50 (1985) p. 469-472. | | | |
| DH | Verdi, Robert J. and Larry L. Hood. "Advantages of Alternative Sweetener Blends." <u>Food Technology</u> June 1993 47(6), p. 94-101. | | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | |
| DI | Vincent, Hugh C., et al. "A Taste Panel Study of Cyclamate-Saccharin Mixture and of its Components." <u>Journal of the American Pharmaceutical Association</u> 44(7) 1955 Jul, p. 442-446. | | | |
| DJ | Walters, Eric, et al. "Active Conformations of Neotame and other High-Potency Sweeteners." <u>Journal of Medicinal Chemistry</u> ; 43(6) 2000, p. 1242-1245. | | | |
| DK | Walters, Eric Ed. "High-Intensity Sweetener Blends: Sweet Choices." <u>Food Product Design</u> 3(6) 1993, p. 83-92. | | | |
| DL | Wink, Donald J., et al. "Neotame, an Alkylated Dipeptide and High Intensity Sweetener." <u>Acta Crystallographica Section C Crystal Structure Communications</u> , 55(8) 1999, p. 1365-1368. | | | |
| DM | Yamane, Takeo, et al. <u>Korin-Compendia</u> , entry Kanmiryo (Sweeteners), 1966 p. 216-217, Korinshoin, Tokyo. | | | |
| DN | Schiffman, Susan S., et al. "Effect of Repeated Presentation on Sweetness Intensity of Binary and Ternary Mixtures of Sweeteners." <u>Chem. Senses</u> 28 (2003) 219-229. | | | |
| DO | DuBois, Grant E., et al. "Concentration-Response Relationships of Sweeteners." In <u>Sweeteners Discovery, Molecular Design, and Chemoreception</u> ed. D. Eric Walters, et al. American Chemical Society: Washington, DC (1991) p. 261-276. | | | |
| DP | Schifferstein, Hendrik N.J. "An Equiratio Mixture Model for Non-additive Components: A Case Study for Aspartame/Acesulfame-K Mixtures." <u>Chemical Senses</u> 21(1) 1996 p. 1-11. | | | |
| DQ | Lipinski, G.W. von Rymon. "The Blending of Sweeteners – Applications and Safety Issues." In <u>Advances in Sweeteners</u> Ed. T.H. Grenby, et al. Blackie A & P: London (1996) P. 263-272. | | | |
| DR | Institute of Food Safety and Nutrition. <u>Combined Actions and Interactions of Chemicals in Mixtures, The Toxicological Effects of Exposure to Mixtures of Industrial and Environmental Chemicals</u> ; Danish Veterinary and Food Administration: Soborg, 2003 p. 1-158. | | | |
| DS | Hanger, L.Y., et al. "Descriptive Profiles of Selected High Intensity Sweeteners (HIS), HIS Blends, and Sucrose." <u>Journal of Food Science</u> , 61(2) 1996, p. 456-464. | | | |
| DT | Portmann, Marie-Odile and David Kilcast. "Descriptive Profiles of Synergistic Mixtures of Bulk and Intense Sweeteners." <u>Food Quality and Preference</u> 19(4) 1998, p. 221-229. | | | |
| DU | Dubois, Grant E. and Janice F. Lee. "A Simple Technique for the Evaluation of Temporal Taste Properties." <u>Chemical Senses</u> , 7(3/4) 1983, p. 237-247. | | | |
| DV | Noble, A.C., et al. "Factors Affecting the Time-Intensity Parameters of Sweetness: Sweetener Identity and Concentration, Viscosity, Temperature, Complexity of the System, and Method of Evaluation all Effect the perception of Sweetness." <u>Food Technology</u> , Ed. Neil H. Mermelstein, Nov. 1991, p. 121-126. | | | |
| DW | Chay, Michele and Laurence Hayert. "Magnitude Estimation Appliquée à L'étude de la Saveur Sucrée de la Saccharine, de l'Aspartame et de l'Acésulfame K dans les Boissons Rafraîchissantes sans Alcool." <u>Bios.</u> 19(3) Mar. 1998, p. 29-33. | | | |
| DX | Hyvönen, Lea, et al. "Fructose-Saccharin and Xylitol-Saccharin Synergism." <u>Journal of Food Science</u> , 43 (1973) p.251-254. | | | |
| DY | Askar, A. and M. El-Zoghbl. "Relative Süße und Synergismus von Fructose oder Xylit mit Aspartam oder Acesulfam-K." | | | |
| Examiner | | Date Considered | | |
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| | | FILING DATE November 28, 2003 | GROUP 1761 |
| | | OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | |
| DZ | Leatherhead Food International. <u>High Potency Sweeteners – All you Need to Know</u> . LinTech and/or Connect Consulting; 4-5 June 2003, p. 1.1 – 10.18. | | |
| EA | Duxbury, Dean D. "High-Intensity Sweetener Blends Provide Synergistic Enhancement, <u>Worldwide Food Applications of Non-Caloric Acesulfame-K Poised for U.S. Market</u> ." <u>Food Processing</u> , Apr. 1990, p. 36, 38, 40. | | |
| EB | Lawless, Harry and Hildegarde Heymann. Appendix 11 "Nonparametric and Binomial-Based Statistical Methods." In <u>Sensory Evaluation of Food: Principles and Practices</u> . Aspen Publishers, Inc.: New York, p. 679-700. | | |
| EC | Best, Daniel and Lisa Nelson. "Low-Calorie Foods and Sweeteners." <u>Prepared Foods</u> 162(7) June 1993: p. 47. LexisNexis. | | |
| ED | "Amorphous solid." <u>McGraw Hill Concise Encyclopedia of Science & Technology</u> . Ed. Sybil P. Parker. 3 rd edition, McGraw-Hill, Inc. 1994 p. 84-85. | | |
| EE | Birch, Gordon G. "Modulation of Sweet Taste." <u>BioFactors</u> 9 (1999) p. 73-80. | | |
| EF | Edwards, C.L. and S.J. Palmer. "Perceived Taste Intensity and Duration of Nutritive and Non-Nutritive Sweeteners in Water using Time-Intensity (T-I) Evaluations. <u>Journal of Food Science</u> . 56(2) 1991, p. 535-542. | | |
| EG | Hutteau, F., et al. "Physicochemical and Psychophysical Characteristics of Binary Mixtures of Bulk and Intense Sweeteners." <u>Food Chemistry</u> , 63(1) 1998 p. 9-16. | | |
| EH | Pariza, Michael W., et al. "Predicting the Functionality of Direct Food Additives." <u>Food Technology</u> , 52(11), Nov. 1998, p. 56-60. | | |
| EI | Schiffman, Susan S. "Receptors that Mediate Sweetness: Inferences from Biochemical, Electrophysiological and Psychophysical Data." <u>Pure and Applied Chemistry</u> , 89(4), 1997, p. 701-708. | | |
| EJ | Birch, Gordon G. "Role of Water in Sweet Taste Chemoreception." <u>Pure Appl. Chem.</u> , 74(7) 2002, p. 1103-1108. | | |
| EK | Kilcast, David. "Satisfying Consumer Demands for Sweetness Quality." <u>AgroFOOD Industry Hi-tech</u> , Jul./Aug. 2004, p. 36-38. | | |
| EL | Polanski, Jaroslaw, et al. "Self-Organizing Neural Networks for Screening and Development of Novel Artificial Sweetener Candidates." <u>Combinatorial Chemistry & High Throughput Screening</u> , 3(6) 2000, p. 481-495. | | |
| EM | Schiffman, Susan, et al. "Selective Inhibition of Sweetness by the Sodium Salt of \pm -2(4-Methoxyphenoxy)propanoic Acid." <u>Chem. Senses</u> , 24 (1999) p. 439-447. | | |
| EN | Carr, B. Thomas, et al. <u>Sensory Methods for Sweetener Evaluation</u> . In <u>Flavor Measurement</u> , eds. Chi-Tang Ho and Charles H. Manley; Marcel Dekker, Inc.: New York, 1993, p. 219-237. | | |
| EO | Haywood, Kieran, ed. <u>The Optimisation of Sweet Taste Quality Abstracts from the ISOT ECRO 2000 Conference</u> , 23 July 2000. | | |
| EP | O'Carroll, Pat. "Sweetener Trends: Adverse Media Coverage is a Concern." <u>The World of Food Ingredients</u> , Feb./Mar. 2000, p. 36-38. | | |
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| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | |
| | EQ | Schiffman, S.S. and C. A. Gatlin. "Sweeteners: State of Knowledge Review." <u>Neuroscience and Biobehavioral Reviews</u> , 17 (1993) p. 313-345. | | |
| | ER | O'Carroll, Pat. "Sweeteners – Synergistic Solutions: Cooperation and Dialogue spur the Development of New Blends and Sweetener Offerings." <u>The World of Ingredients</u> , Mar./Apr. 1998, p. 20-23. | | |
| | ES | Schiffman, Susan S. "Synergism among Ternary Mixtures of Fourteen Sweeteners." <u>Chem. Senses</u> , 25 (2000) p. 131-140. | | |
| | ET | The University of Reading. <u>The Mechanistic Understanding of the Sweetness Response AIR3 - CT94 – 2107: Final Technical Report</u> . Jan. 1995 – Mar. 1998 p. 1-35. | | |
| | EU | Lawless, Harry T. "Theoretical Note: Tests of Synergy in Sweetener Mixtures." <u>Chem. Senses</u> , 23 (1998) p. 447-451. | | |
| | EV | Van Dijk, G.J. and M. Rooyakkers. "Sweet Synergy: The Synergy Between Chicory-Based Fructose Syrup and Intensive Sweeteners." <u>IFI No.5</u> (1996) p. 38-39. | | |
| | EW | Moskowitz, Howard R. and Leon Klarman. "The Tastes of Artificial Sweeteners and their Mixtures." <u>Chemical Senses and Flavor</u> 1(1975) p. 411-412. | | |
| | EX | Birch, Gordon G. "Towards an Improved Understanding of Sweetener Energy." <u>Trends in Food Science & Technology</u> Dec. 1996 Vol. 7, p. 403-407. | | |
| | EY | Machado SG and Robinson GA. An abstract of "A Direct, General Approach Based on Isobolograms for Assessing the Joint Action of Drugs in Pre-Clinical Experiments." <u>Stat. Med.</u> 1994 Nov. 30; 13(22); p. 2289-309. PubMED. | | |
| | EZ | Lam GK. An Abstract of "The Differential Aspects of the Linear Isobole in the Study of Combined Action of Agents." <u>Bull Math Biol.</u> 1993 Mar; 55(2) p. 295-313. PubMED. | | |
| | FA | Suhnel J. An abstract of "Zero Interaction Response Surfaces, Interaction Functions and Difference Response Surfaces for Combinations of Biologically Active Agents." <u>Arzneimittelforschung</u> 1992 Oct; 42(10) p. 1251-1258. PubMED. | | |
| | FB | Poch G., et al. An abstract of "Application of the Isobogram Technique for the Analysis of Combined Effects with Respect to Additivity as well as Independence." <u>Can. J. Physiol. Pharmacol.</u> 1990 Jun; 68(6) p. 682-688. PubMED. | | |
| | FC | Lam GK. An abstract of "Analysis of Interaction of Mixtures of Agents Using the Linear Isobole." <u>Bull Math Biol.</u> 1989; 51(3) p. 293-309. PubMED. | | |
| | FD | Affidavit of Harry T. Lawless in Interference No. 105,246 (RES); 11/23/04. | | |
| | FE | Deposition Transcript Eric Walters, Interference No. 105,246; 01/25/2005. | | |
| | FF | 16 CFR 1500.14. | | |
| | FG | Deposition Transcript Indra Prakash, Interference No. 105,246; 01/26/2005. | | |
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| | FH | Affidavit of Hirotoshi Ishida; Interference No. 105,246 (RES) 02/08/2005. | | |
| | FI | Second Affidavit of Harry T. Lawless, Interference No. 105,246 (RES); 02/10/2005. | | |
| | FJ | Deposition of Harry T. Lawless, Interference No. 105,246 (RES); 01/11/2005. | | |
| | FK | Deposition of D. Eric Walters, Interference No. 105,246 (RES); 03/16/2005. | | |
| | FL | Deposition of Harry T. Lawless, Interference No. 105,246 (RES); 03/09/2005. | | |
| | FM | Muller, George W., et al. "Carboxylic Acid Replacement Structure- Activity Relationships in Suosan Type Sweeteners. A Sweet Taste Antagonist." <u>J. Chem. Med.</u> 35 (1992) p. 1747-1751. | | |
| | FN | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Decision on Motions Under 37 CFR § 41.125. Filed June 9, 2006. | | |
| | FO | DeBois, Grant E., et al. "Mechanism of Human Sweet Taste and Implications for Rational Sweetener Design." In <u>Flavor Measurement</u> , eds. Chi-Tang Ho and Charles H. Manley; Marcel Dekker, Inc.: New York, 1993, p. 299-266. | | |
| | FP | Walters, D. Eric. Chapter 6 "Genetically Evolved Receptor Models (GERM) as a 3D QSAR Tool." <u>Perspectives in Drug and Design</u> , 12/13/14: p. 159-166, 1998. | | |
| | FQ | Walters, Eric D. "Interactions between Sweet and Bitter Tastes." In <u>Modifying Bitterness: Mechanisms, Ingredients, and Applications</u> , ed. Glen Roy, Technomic Publishing Company, Inc. 1997; p. 127-137. | | |
| | FR | Walters, D. Eric. "Homology-Based Model of the Extracellular Domain of the Taste Receptor T1R3." <u>Pure Appl. Chem</u> 74(7) 2002, p. 1117-1123. | | |
| | FS | Walters, D. Eric. "How are Bitter and Sweet Tastes Related?" <u>Trends in Food Science & Technology</u> , (7) Dec. 1996, p. 399-403. | | |
| | FT | Hallinan, E. Ann. "Investigations of (4-Cyanophenyl) Ureas of Sweet Amino Acids as Potential Sweeteners." <u>J. Agric. Food Chem.</u> , 39, 1991 p. 1836-1838. | | |
| | FU | Chinn, Leland J., et al. "Isovanillyl Sweeteners. Amide Analogues of Dihydrochalcones." <u>J. Agric. Food Chem.</u> , 35, 1987 p. 409-411. | | |
| | FV | Muller, George W., et al. "N,N'-Disubstituted Guanidine High-Potency Sweeteners." <u>Journal of Medical Chemistry</u> 35, 1992 p. 740-743. | | |
| | FW | Rocznia, Steven and D. Eric Walters. "Use of the Specificity Constant Rmax/K, for rigorous comparisons of sweetener potencies." <u>Chemical Senses</u> 16(5) 1991, p. 491-495. | | |
| | FX | O'Brien, Dennis. "Sweet on Sugar Substitute; Alternatives: With Millions Dieting, whoever Finds an Artificial Sweetener with the Taste and Versatility of Sugar is Sure to "Win Big"." <u>The Baltimore Sun</u> January 26, 2004; Telegraph, pg. 8A. LexisNexis. | | |
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| | FY | Culberson & Walters. "3-D Model for the Sweet Taste Receptor." In <u>Sweeteners: Discovery, Molecular Design, and Chemoreception</u> , eds. D. Eric Walters, et al. American Chemical Society 1991, p. 215-223. | | |
| | FZ | Muller, George W., et al. "High-Potency Sweeteners Derived from β -Amino Acids." In <u>Sweeteners: Discovery, Molecular Design, and Chemoreception</u> , eds. D. Eric Walters, et al. American Chemical Society 1991, p. 113-125. | | |
| | GA | Hellekant, Göran, et al. "Electrophysiological Evaluation of Sweeteners." In <u>Sweeteners: Discovery, Molecular Design, and Chemoreception</u> , eds. D. Eric Walters, et al. American Chemical Society 1991, p. 290-300. | | |
| | GB | Walters, D. Eric. "The Rational Discovery of Sweeteners." In <u>Sweeteners: Discovery, Molecular Design, and Chemoreception</u> , eds. D. Eric Walters, et al. American Chemical Society 1991, p. 1-11. | | |
| | GC | Hellekant, Göran and Eric D. Walters. "An Example of Phylogenetic Differences in Sweet Taste: Sweetness of Five High-Potency Sweeteners in Rats." In <u>Sweet-Taste Chemoreception</u> eds. Mohamed Mathlouth, et al., Elsevier Science Publishers, Ltd.: London 1993, p. 373-386. | | |
| | GD | DuBois, Grant E., et al. "The Rational Design of Ultra-High-Potency Sweeteners." In <u>Sweet-Taste Chemoreception</u> eds. Mohamed Mathlouth, et al., Elsevier Science Publishers, Ltd.: London 1993, p. 237-267. | | |
| | GE | Walters, Eric D. and Glenn Roy. "Taste Interactions of Sweet and Bitter Compounds." <u>Flavor-Food Interactions: Developed from a Symposium Sponsored by the Division of Agricultural and Food Chemistry at the 208th National Meeting of the American Chemical Society</u> , American Chemical Society: Washington, DC, August 21-25, 1994, (1996) p. 130-142. | | |
| | GF | Ager, David J., et al. "The Synthesis of the High-Potency Sweetener, NC-00637. Part 1: The Synthesis of (S)-2-Methylhexanoic Acid." <u>Organic Process Research and Development</u> , 7(3) 2003 p. 369-378. | | |
| | GG | Ager, David J., et al. "The Synthesis of the High-Potency Sweetener, NC-00637. Part 3: The Glutamyl Moiety and Coupling Reactions." <u>Organic Process Research and Development</u> , 8(1) 2004 p. 72-85. | | |
| | GH | Ager, David J., et al. "The Synthesis of the High-Potency Sweetener, NC-00637. Part 2: Preparation of the Pyridine Moiety." <u>Organic Process Research and Development</u> , 8(1) 2004 p. 62-71. | | |
| | GI | Walters, D. Eric. "Using Models to Understand and Design Sweeteners." <u>Journal of Chemical Education</u> , 72(8) August 1995 p. 680-682. | | |
| | GJ | Webb, Ginger. "Licorice Extract and Glycyrrhizin Activity." <u>The Journal of the American Botanical Council</u> , issue 39, 1997 p. 21 | | |
| | GK | Beidler, Lloyd M. "Taste Receptor Stimulation." <u>Progr. Biophysics and Biophysic. Chem.</u> 12, 1962 p. 109-151. | | |
| | GL | Declaration of Indra Prakash. Interference No. 105,246 (RES), 11/24/2004. | | |
| | GM | Declaration of Eric D. Walters. Interference No. 105,246 (RES), 11/24/2004. | | |
| | GN | Second declaration of Eric D. Walters. Interference No. 105,246 (RES), 02/10/2005. | | |
| | GO | Letter to Gibes, Keron and Laurie Pajor from Jeff Hoster. Invention Disclosure of "Sweetness Synergy in Binary Blends of Neotame and other Sweeteners," October 12, 1998. | | |
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| | GP | Horne, John, et al. "Bitter Taste of Saccharin and Acesulfame-K." <u>Chem. Senses</u> 27 (2002) p. 31-38. | | |
| | GQ | Deposition of Hirotoshi Ishida. Interference No. 105,246 (RES), 04/03/2005. | | |
| | GR | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Misc. Motion No. 1, 09/24/2004. | | |
| | GS | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Misc. Motion No. 11, 01/03/2005. | | |
| | GT | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Misc. Motion No. 2, 10/26/2004. | | |
| | GU | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 10, 11/24/2004. | | |
| | GV | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 3, with appendix A, B, C, and D. 11/24/2004. | | |
| | GW | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 4, 11/24/2004. | | |
| | GX | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 5, 11/24/2004. | | |
| | GY | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 6, 11/24/2004. | | |
| | GZ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 7, 11/24/2004. | | |
| | HA | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 8, 11/24/2004. | | |
| | HB | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Preliminary Motion No. 9, with appendix A, B, and C. 11/24/2004. | | |
| | HC | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Request for Oral Argument for Ajinomoto Motions No. 1-10 and 12, 11/17/2004. | | |
| | HD | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Second Supplemental Notice of Preliminary Motions, 11/17/2004. | | |
| | HE | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Motion No. 12 to Suppress, 04/20/2005. | | |
| | HF | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 1, 10/18/2004. | | |
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| HG | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 10, 03/30/2005. | | | | |
| HH | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 2, 11/01/2004. | | | | |
| HI | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 3 to Ajinomoto's Preliminary Motion No. 3, 03/23/2005. | | | | |
| HJ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 4, 03/30/2005. | | | | |
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| HL | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 6, 03/30/2005. | | | | |
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| HO | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 9, 03/30/2005. | | | | |
| HP | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Supplementation of Evidence in Response to Nutrasweet's Objection to Exhibits 2002-2004; 10/20/2004. | | | | |
| HQ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Reply No. 12, 05/25/2005. | | | | |
| HR | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Misc. Motion 1, 09/21/2004. | | | | |
| HS | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Unopposed Misc. Motion 2, 04/13/2005. | | | | |
| HT | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Misc. Motion 2, 11/24/2004. | | | | |
| HU | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Preliminary Motion 2, 11/24/2004. | | | | |
| HV | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Preliminary Motion 3, 11/24/2004. | | | | |
| HW | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Preliminary Motion 4, 11/24/2004. | | | | |
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| | HY | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Preliminary Motion 6, 11/24/2004. | | |
| | HZ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Preliminary Motion 7, 11/24/2004. | | |
| | IA | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Provisional Preliminary Motion 8, 11/24/2004. | | |
| | IB | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Motion to Exclude or Suppress Evidence No. 10, 04/20/2005. | | |
| | IC | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Request for Oral Argument, 04/20/2005. | | |
| | ID | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 1, 10/12/2004. | | |
| | IE | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 2, 10/27/2004. | | |
| | IF | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 3, 02/24/2005. | | |
| | IG | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 4, 02/11/2005. | | |
| | IH | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 5, 02/11/2005. | | |
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| | IJ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Opposition No. 7, 02/11/2005. | | |
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| LIST OF REFERENCES CITED BY APPLICANT | | APPLICANT | Hirotoshi ISHIDA, et al. | |
| | | FILING DATE | GROUP | |
| | | November 28, 2003 | 1761 | |
| OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.) | | | | |
| | IO | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Corrected Clean Copy of Claims, 08/12/2004. | | |
| | IP | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Notice Regarding Annotated Claims, 08/12/2004. | | |
| | IQ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Designation of Lead and Backup Counsel, 08/13/2004. | | |
| | IR | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's exhibit list, 04/13/2005. | | |
| | IS | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Clean Copy of Claims, 08/13/2005. | | |
| | IT | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Notice of Real Party of Interest, 08/13/2004. | | |
| | IU | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Request for File Copies, 08/13/2004. | | |
| | IV | Labuza, Theodore P. and Wendy M. Baisier. "The Kinetics of Nonenzymatic Browning." In <u>Physical Chemistry of Foods</u> , New York, NY: Marcel Dekker; p. 595-649, 1992. | | |
| | IW | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Notice of Filing Priority Statement, 11/24/2004. | | |
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| | IZ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Notice of Serving Additional Literature on Ajinomoto, 11/16/2004. | | |
| | JA | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet Misc. Motion 1 Reply. | | |
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| | JC | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Reply No. 3, 04/13/2005. | | |
| | JD | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Reply No. 4, 04/13/2005. | | |
| | JE | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Errata for Nutrasweet's Reply No. 4, 05/25/2005. | | |
| Examiner | | | Date Considered | |
| *Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | | | | |

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| | JF | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Reply No. 5, 04/13/2005. | |
| | JG | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Errata for Nutrasweet's Reply No. 5, 05/25/2005. | |
| | JH | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Reply No. 6, 04/13/2005. | |
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| | JK | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Reply No. 10, 05/25/2005. | |
| | JL | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Nutrasweet's Responses to Ajinomoto's Observations, 05/11/2005. | |
| | JM | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Objections to Nutrasweet's Exhibits, 12/2/2004. | |
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| | JP | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 1, 10/12/2004. | |
| | JQ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 2 to Nutrasweet's Preliminary Motion No. 2 Alleging Obviousness of Ajinomoto's Claims, 02/11/2005. | |
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| | JU | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 6 to Nutrasweet's Preliminary Motion No. 6 for Judgment that Ajinomoto Claims 15-39 are Unpatentable under 35 USC §112, ¶ 2, 02/11/2005. | |
| | JV | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 7 to Nutrasweet's Preliminary Motion No. 7 for Judgment that Ajinomoto Claims 15-39 are Unpatentable under 35 USC §112, ¶ 1, 02/11/2005. | |
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| | JW | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 8 to Nutrasweet's Preliminary Motion No. 8 for Judgment that Ajinomoto Claim 40 is invalid under 35 USC §135(b), 02/11/2005. | | | |
| | JX | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Ajinomoto's Opposition No. 10 to Nutrasweet's Motion to Exclude or Suppress, 05/11/2005. | | | |
| | JY | <i>Erstellung eines Compartmentmodells des Süßrezeptors zur Vorhersage der Süßintensität beliebiger Mischungen ausgewählter süßer Verbindungen in wässriger Lösung.</i> September 9, 2001. | | | |
| | JZ | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Judgment Under 37 CFR §41.127. Filed June 9, 2006. | | | |
| | | Ajinomoto Co., Inc. v. NutraSweet Company. Interference No. 105,246 (RES); Decision on Motions Under 37 CFR § 41.125. Filed June 9, 2006. | | | |
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